AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A radio communication device on a network for communicating with a target communication terminal on the network, comprising:

a memory ~~for storing~~ <u>configured to store</u> service information so that predetermined functions can be performed over the network with the target communication terminal;

a judging module ~~for judging~~ <u>configured to judge</u> whether predetermined connection conditions with the target communication terminal are satisfied by repeating a target communication terminal discovery process before establishing radio communications with another target communication terminal; and

a communication control module ~~for executing~~ <u>configured to execute</u> the predetermined functions with the target communication terminal by reading service information associated with the target communication terminal from the service information memory when the predetermined connection conditions are satisfied.

2. (Currently Amended) A radio communication device on a network for communicating with a target communication terminal on the network, comprising:

a service information memory ~~for storing~~ <u>configured to store</u> service information that corresponds to the target communication terminal so that predetermined functions can be performed with the target communication terminal over the network;

a judging module ~~for judging~~ <u>configured to judge</u> whether predetermined

disconnection discriminating conditions are satisfied by repeating a connection process

with the target communication terminal before disconnecting radio communication with

the target communication terminal; and

a communication control module ~~for invalidating~~ <u>configured to invalidate</u> the

predetermined functions associated with the service information that corresponds to the

target communication terminal and storing the service information in the service

information memory when the predetermined disconnection discriminating conditions

are satisfied.

3. (Currently Amended) A radio communication device in a network for

communicating with a target communication terminal in the network, comprising:

a service information memory ~~for storing~~ <u>configured to store</u> service information

so that predetermined functions can be performed with the target communication

terminal; [[and]]

<u>a registration module configured to register communication controlling</u>

<u>information that defines discriminating conditions for establishing a new connection with</u>

<u>the target communication terminal or disconnecting an existing connection with the</u>

<u>target communication terminal; and</u>

a communication control module ~~for communicating~~ <u>configured to communicate</u>

with the target communication terminal by using the service information read out from

the service information memory based on <u>the</u> communication controlling information

~~that defines discriminating conditions for establishing a new connection with the target~~

~~communication terminal or disconnecting an existing connection with the target~~

~~communication terminal.~~

4. (Currently Amended) A communication device, comprising:

a radio communication module ~~for exchanging~~ <u>configured to exchange</u> data with

a target communication terminal over a network;

a service information memory ~~for storing~~ <u>configured to store</u> service information

so that predetermined functions can be performed with the target communication

terminal;

a communication control information designating module ~~for designating~~

<u>configured to designate, by a user of the communication device,</u> communication

conditions for a newly established radio communication connection with the target

communication terminal or for discriminating a disconnection of an existing radio

communication connection with the target communication terminal;

a memory ~~for storing~~ <u>configured to store</u> the ~~designated~~ communication

~~controlling information~~ <u>conditions designated</u> by the communication control information

designating module; and

a communication control module ~~for determining~~ <u>configured to determine</u> whether

the radio communication connection with the target communication terminal is in a

connection status or a disconnection status based on the communication controlling

information stored in the memory, and performing communication through the radio

communication module by using service information read from the service information

memory in accordance with the determination result.

-4-

5. (Canceled)

6. (Currently Amended) A communication device, comprising:

a radio communication module ~~for exchanging~~ <u>configured to exchange</u> data with a target communication terminal through radio;

a service memory ~~for storing~~ <u>configured to store</u> service information so that predetermined functions can be performed with the target communication terminal;

a temporary memory ~~for temporarily storing~~ <u>configured to temporarily store</u> service information used in an established target communication terminal for communication;

a designating module ~~for designating~~ <u>configured to designate, through a registration interface,</u> communication controlling information ~~in order to define~~ <u>defining</u> conditions for discriminating between a newly established radio communication connection with the target communication terminal or a disconnection of an existing radio communication connection with the target communication terminal;

a communication controlling information memory ~~for storing~~ <u>configured to store</u> the communication controlling information designated by the designating module;

a memory ~~for storing~~ <u>configured to store</u> the communication controlling information designated by the designating module;

a discriminating module ~~for determining~~ <u>configured to determine</u> whether a status of the radio communication connection with a target communication terminal is a connection status or a disconnection status based on the communication controlling

information in the communication controlling information memory ~~mechanism, and~~ ~~transferring~~ to transfer the service information from the service memory to the temporary memory when the status of the radio communication connection with the target communication terminal is the connection status, and ~~transferring~~ to transfer the service information from the temporary memory to the service memory when the status of the radio communication connection with the target communication terminal is the disconnection status; and

a radio communication control module ~~for performing~~ configured to perform the predetermined functions with the target communication terminal when the service information is stored in the temporary memory.

7. (Currently Amended) The communication device according to ~~one of claims 3 to 6~~ any one of claims 3, 4, and 6, wherein:

the communication controlling information includes connection discriminating conditions based on the number of times a detecting command for detecting the target communication terminal issues during a predetermined period and disconnection discriminating conditions based on the number of times a confirming command for confirming the connection to the target communication terminal issues during the predetermined period.

8. (Currently Amended) The communication device according to ~~one of claims 3 to 6~~ any one of claims 3, 4, and 6, wherein:

the communication controlling information includes connection and disconnection discriminating conditions that define a variation status of the radio communication connection for indicating a communication connection or a disconnection to the target communication terminal, the variation status is designated based on a power level of radio waves measured within the predetermined period.

9. (Original) A method for controlling a communication device that exchanges data with a target communication terminal over a radio network when establishing a new radio communication connection between the communication device and a target communication terminal, the communication device having a memory for storing various types of data, the method comprising:

judging whether predetermined connection discriminating conditions are satisfied by repeating a target communication terminal discovery process before performing the predetermined functions; and

performing the predetermined functions through the radio communication connection by extracting required service information from memory to perform the predetermined functions between the communication device and the target communication terminal, the required service information is stored in the memory by executing the predetermined functions with the target communication when the predetermined connection conditions are satisfied.

10. (Currently Amended) A method for controlling a communication device that exchanges data with a target communication terminal over a network, when

disconnecting a radio communication connection established between the communication device and a target communication terminal, the communication device having a memory for storing various types of data including executed service information, the method comprising:

judging whether disconnection conditions are satisfied by repeating a target communication terminal connection process; and

invalidating [[the]] predetermined functions corresponding to the executed service information ~~that is stored in memory~~ so that the predetermined functions between the communication device and the target communication terminal can be performed when the disconnection discriminating conditions are satisfied.

11. (Currently Amended) A method for controlling a communication device that exchanges data with target communication terminal over a network, the communication device having a memory mechanism for storing various types of data, the method comprising:

registering communication controlling information that defines conditions for discriminating between a new radio communication connection established between the communication device and a new target communication terminal and a disconnection of radio communication connection established between the communication device and the target communication terminal;

judging whether a radio communication connection between the communication device and a target communication terminal is in a connection status or in a disconnection status, based on the communication controlling information; and ~~that~~

~~defines conditions for discriminating between a new radio communication connection established between the communication device and a new target communication terminal, or a disconnection of radio communication connection established between the communication device and the target communication terminal, and~~

performing radio communications with the target communication terminal by using service information that executes the predetermined functions between the communication device and the target communication terminal, the service information being stored in memory based on a discrimination result.

12. (Currently Amended). A method for controlling a communication device that exchanges data with a target communication terminal over a network, the communication device having a memory for storing various types of data, the method comprising:

designating, by a user of the communication device, communication control information that defines discriminating conditions for discriminating between establishing a new radio communication connection between the communication device and a target communication terminal and disconnecting a radio communication connection established between the communication device and the target communication terminal;

storing, in the memory, the designated communication control information ~~that defines discriminating conditions for discriminating between establishing a new radio communication connection between the communication device and a target~~

communication terminal, or disconnecting a radio communication connection established between the communication device and the target communication terminal;

judging whether the radio communication connection between the communication device and the target communication terminal is in a connection state or a disconnection state based on the designated communication control information; and

performing radio communication with the target communication terminal by using service information that executes [[the]] predetermined functions between the communication device and the target communication terminal, the service information being stored in memory based on a discrimination result.